IN THE CLAIMS

1. (Currently Amended) A device, comprising:

delay lock loop to provide an output signal based upon a phase difference between a

reference signal and a feedback signal, said delay lock loop comprising a delay

circuit for [[switching an activation of]] activating a transistive capacitive delay

[[using a switch]].

2. (Original) The device of claim 1, wherein said device is a memory device.

3. (Original) The device of claim 2, wherein said memory device is at least one of a

static random access memory (SRAM), a dynamic random access memory (DRAM), a double-

data rate SDRAM (DDR SDRAM), a DDR I device, a DDR II device, a Rambus DRAM

(RDRAM), and a FLASH memory.

4. (Previously Amended) The device of claim 1, wherein said delay lock loop further

comprises:

a coarse delay unit to provide a coarse delay upon at least one of said reference signal and

a data output signal;

a fine delay unit to provide a fine delay upon at least one of said reference signal and said

data output signal;

a phase detector to detect said phase difference; and

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and said phase detector, said feedback delay unit to provide a delay upon said

output signal to generate said feedback signal.

5. (Currently Amended) The device of claim 4, wherein said fine delay unit comprises:

a first inverter to invert an input signal;

an N-channel transistor set operatively coupled to said first inverter, said N-channel

transistor set comprising a first and a second N-channel transistor, wherein a

source terminal of said first N-channel transistor is coupled to a source terminal of

said second N-channel transistor and a drain terminal of said first N-channel

transistor is coupled to a drain terminal of said second N-channel transistor;

an P-channel transistor set comprising a first and a second P-channel transistor, wherein a

source terminal of said first P-channel transistor is coupled to a source terminal of

said second P-channel transistor and a drain terminal of said first P-channel

transistor is coupled to a drain terminal of said second P-channel transistor; and

a second inverter operatively coupled to said P-channel transistor, said second inverter to

provide a complementary control signal for said P-channel transistor set.

6. (Previously Amended) The device of claim 5, wherein activation of at least one of

said P-channel and said N-channel transistor sets provides a switching on of said capacitive delay

upon said input signal to provide a delayed output signal.

7. (Previously Amended) The device of claim 5, wherein de-activation of at least one of

said P-channel and said N-channel transistor sets provides a switching off of said capacitive

delay upon said input signal to provide an output signal with less delay.

8. (Original) The device of claim 5, further comprising a plurality of N-channel

transistor sets and P-channel transistor sets to provide additional delays upon said input signal to

provide a delayed output signal.

9. (Previously Amended) The device of claim 4, wherein said output signal comprises

said coarse delay and said fine delay.

10. (Original) The device of claim 1, wherein said reference signal is a clock signal.

11. - 24 (Cancelled).

25. (Previously Amended) A system board, comprising:

a first device comprising a memory location for storing data and a delay lock loop to

provide an output signal based upon a phase difference between a reference signal

and a feedback signal, said delay lock loop comprising a delay circuit for

[[switching an activation of]] activating a capacitive delay [[using a switch]]; and

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a second device operatively coupled to said first device, said second device to access said

data from said first device based upon an operation performed by said delay lock

loop.

26. (Original) The system board described in claim 25, wherein said memory

location is at least one of an SRAM, a DRAM, a DDR SDRAM, a DDR I device, a DDR II

device, a RDRAM, and a FLASH memory.

27. (Original) The system board of claim 25, wherein said system board is a

motherboard of a computer system.

28. (Previously Amended) The system board of claim 25, wherein said delay lock

loop further comprises:

a coarse delay unit to provide a coarse delay upon at least one of said reference signal and

a data output signal;

a fine delay unit to provide a fine tuned delay upon at least one of said reference signal

and said data output signal;

a phase detector to detect said phase difference; and

a feedback delay unit operatively coupled to said coarse delay unit, said fine delay unit,

and said phase detector, said feedback delay unit to provide a delay upon said

output signal to generate said feedback signal.

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29. (Currently Amended) The system board of claim 28, wherein said fine delay unit

comprises:

a first inverter to invert an input signal;

an N-channel transistor set operatively coupled to said first inverter, said N-channel

transistor set comprising a first and a second N-channel transistor, wherein a

source terminal of said first N-channel transistor is coupled to a source terminal of

said second N-channel transistor and a drain terminal of said first N-channel

transistor is coupled to a drain terminal of said second N-channel transistor;

an P-channel transistor set comprising a first and a second P-channel transistor, wherein a

source terminal of said first P-channel transistor is coupled to a source terminal of

said second P-channel transistor and a drain terminal of said first P-channel

transistor is coupled to a drain terminal of said second P-channel transistor; and

a second inverter operatively coupled to said P-channel transistor, said second inverter to

provide a complementary control signal for said P-channel transistor set.

30. (Previously Amended) The system board of claim 29, wherein activation of at

least one of said P-channel and said N-channel transistor sets provides said switching on

of a capacitive delay upon said input signal to provide a delayed output signal.

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least one of said P-channel and said N-channel transistor sets provides said switching off of a

capacitive delay upon said input signal to provide an output signal with less delay.

32. (Original) The system board of claim 29, further comprising a plurality of N-

channel transistor sets and P-channel transistor sets to provide additional delays upon said input

signal to provide a delayed output signal.

33. (Previously Amended) The system board of claim 28, wherein said output signal

comprises said coarse delay and said fine delay.

34. (Original) The device of claim 25, wherein said reference signal is a clock

signal.

35. (Currently Amended) A memory device, comprising:

delay lock loop to provide an output signal based upon a phase difference between a

reference signal and a feedback signal, said delay lock loop comprising a delay

circuit [[for switching an activation of]] activating a transistive capacitive delay

[[using a switch]].

36. (Original) The memory device of claim 35, wherein said memory device is at

least one of a static random access memory (SRAM), a dynamic random access memory

(DRAM), a double-data rate SDRAM (DDR SDRAM), a DDR I device, a DDR II device, a

Rambus DRAM (RDRAM), and a FLASH memory.

37. (Previously Amended) The memory device of claim 35, wherein said delay lock

loop further comprises:

a coarse delay unit to provide a coarse delay upon at least one of said reference signal and

a data output signal;

a fine delay unit to provide a fine tuned delay upon at least one of said reference signal

and said data output signal;

a phase detector to detect said phase difference; and

a feedback delay unit operatively coupled to said coarse delay unit, said fine delay unit,

and said phase detector, said feedback delay unit to provide a delay upon said

output signal to generate said feedback signal.

38. (Original) The memory device of claim 37, wherein said fine delay unit

comprises at least one delay block, said delay block to provide a delay upon at least one of said

reference signal and said data output signal.

39. (Original) The memory device of claim 38, wherein said delay block comprises:

a first inverter to invert an input signal;

an N-channel transistor set comprising a first and a second N-channel transistor, wherein

a source terminal of said first N-channel transistor is coupled to a source terminal

of said second N-channel transistor and a drain terminal of said first N-channel

transistor is coupled to a drain terminal of said second N-channel transistor;

an P-channel transistor set comprising a first and a second P-channel transistor, wherein a

source terminal of said first P-channel transistor is coupled to a source terminal of

said second P-channel transistor and a drain terminal of said first P-channel

transistor is coupled to a drain terminal of said second P-channel transistor; and

a second inverter to provide a complementary control signal for said P-channel transistor

set.

(Previously Amended) The memory device of claim 39, wherein activation of at 40.

least one of said P-channel and said N-channel transistor sets provides a switching on of said

capacitive delay upon said input signal to provide a delayed output signal.

(Previously Amended) The memory device of claim 39, wherein de-activation of 41.

at least one of said P-channel and said N-channel transistor sets provides a switching off of said

capacitive delay upon said input signal to provide an output signal with less delay.

(Original) The memory device of claim 39, further comprising a plurality of N-42.

channel transistor sets and P-channel transistor sets to provide additional delays upon said input

signal to provide a delayed output signal.

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- 43. (Previously Amended) The memory device of claim 37, wherein said output signal comprises said coarse delay and said fine delay.
  - 44. (Original) The device of claim 43, wherein said reference signal is a clock signal.
  - 45. 49. (Cancelled).